

SYSTEM AND METHOD FOR PROVIDING
ELECTRICAL SYSTEM MONITORING AND DIAGNOSIS

CROSS REFERENCE TO RELATED PATENT APPLICATIONS

The present U.S. Patent Application having at least one common inventor as

5 U.S. Patent Application serial no. 10/786,318 entitled "System and
Method for Fault Contactor Detection", (2004P02544US), and

U.S. Patent Application serial no. 10/786,320 entitled "System and
Method for Configuring A Soft Starter", (2004P02542US),

and being filed with the U.S. Patent and Trademark Office concurrently on February 25, 2004,

10 the entirety of each is incorporated herein by reference.

FIELD OF THE INVENTION

This invention relates to a motor controller, such as a soft starter, and, more
particularly, to a system and method for electrical system monitoring and diagnosis using a motor
controller.

15 BACKGROUND OF THE INVENTION

Solid state starters/controllers have found widespread use for controlling
application of power to an AC induction motor. The conventional starter/controller, referred to
hereinafter as simply a controller, uses solid state switches for controlling application of AC line